

**AMENDMENTS TO THE SPECIFICATION**

Please replace the paragraph on page 1, line 20 and ends on page 1, line 26 with the following paragraph.

Particularly, to incubate the cells which requires severe concentration conditions of a CO<sub>2</sub> (carbon dioxide) gas, a CO<sub>2</sub> incubator is used as a device for controlling the CO<sub>2</sub> gas concentration in the incubation space in addition to a device for controlling the temperature and the humidity (~~e.g., refer to Patent Document 1 and Patent Document 2~~).

~~{Patent Document 1}~~

Please replace the paragraph which begins on page 1, line 27 and ends on page 2, line 4 with the following paragraph.

As referred to in Official gazette of Japanese Patent Application Laid-Open No. 9-23877 and

~~{Patent Document 2}~~

Official gazette of Japanese Patent Application Laid-Open No. 2000-93156.

Please replace the paragraph page 18, line 18 and ends on line 22 with the following paragraph.

According to a preferred embodiment of the invention of claim 2, the CO<sub>2</sub> gas concentration detection means is constituted of a CO<sub>2</sub> sensor using infrared rays ~~in the invention of claim 1~~, and hence, the CO<sub>2</sub> gas concentration in the incubation space can be further quickly and accurately detected.

Please replace the paragraph which begins on page 18, line 23 and ends on page 19, line 3 with the following paragraph.

Further, ~~[[A]]~~ according to the invention ~~of claim 3~~, a plurality of incubation spaces are disposed, and the control means selects any gas in any incubation space, detects the CO<sub>2</sub> gas

concentration of the selected gas by the CO<sub>2</sub> gas concentration detection means, and controls the supply of the CO<sub>2</sub> gas to each incubation space in accordance with the detected CO<sub>2</sub> gas concentration. Accordingly, it is possible to control the CO<sub>2</sub> gas concentration in each incubation space.

Please replace the paragraph page 19, line 13 and ends on line 17 with the following paragraph.

As a further feature of ~~According to the invention of claim 4,~~ the control means displays the CO<sub>2</sub> gas concentration detected in each incubation space ~~in the invention of claim 3,~~ and hence, the CO<sub>2</sub> gas concentration in each incubation space can be easily visually confirmed, whereby convenience is further improved.